

Cluster image processing technique for porosity estimation of carbonate rocks

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Abstract

© 2006-2015 Asian Research Publishing Network (ARPN). It is known that the exact value of rocks porosity is difficult to measure. In present paper it is proposed using Cluster Image processing technique which is considered as cost-effective alternative direct method for estimating 2Dporosity from thin sections images of carbonate rocks on base of core samples picked out from carbonate reservoir rocks of Tournasian age in well, situated on southern slope of South-Tatarian Arch (Volga-Ural region, Russia).

Keywords

Carbonate rocks, Cluster Image processing system, Porosity